

Date: Fri, 16 Sep 94 01:30:08 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #1028
To: Info-Hams

Info-Hams Digest Fri, 16 Sep 94 Volume 94 : Issue 1028

Today's Topics:

1750 Hz tone generator in Yaesu ft-26?
Amateur Videos
FTP Sites...Boston, Buffalo? (ZA land..)
IPS Daily Report - 15 September 94
SAREX Keps 9/16 at 6:00 UTC
SAREX Rise Set 9/17
satellite rig

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Wed, 14 Sep 1994 09:53:30 +0000
From: ihnp4.ucsd.edu!agate!overload.lbl.gov!dog.ee.lbl.gov!news.cs.utah.edu!
cs.utexas.edu!howland.reston.ans.net!swrinde!pipex!demon!microvst.demon.co.uk!
tgold@network.ucsd.edu
Subject: 1750 Hz tone generator in Yaesu ft-26?
To: info-hams@ucsd.edu

Try shopping for a speaker mike with built-in 1750.

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Anthony R. Gold G3SKR and AA2PM

Date: Thu, 15 Sep 1994 12:07:25 GMT
From: ihnp4.ucsd.edu!agate!spool.mu.edu!howland.reston.ans.net!math.ohio-
state.edu!news.acns.nwu.edu!news.eecs.nwu.edu!tella5!jwa@network.ucsd.edu

Subject: Amateur Videos
To: info-hams@ucsd.edu

I was at a local hamfest last weekend and I was browsing the indoor exhibits. There was a vendor selling CD ROMS so I purchased the latest addition of "QRZ". I almost bought one that was labeled "Amateur Videos" but after a close examination, I saw the XXX rating. At first glance I figured it contained recordings of amateur TV or related subjects. Boy, was I wrong!

I did find a wealth of information in the second addition of QRZ. I also own QRZ version 1. I paid \$17.00 for version 2 but a friend purchased a copy the same day at another table for \$14.00

— — —

Jack Albert WA9FVP

Fellow Radio Hacker

Date: 16 Sep 1994 01:26:10 +0200
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!ee.und.ac.za!
ticsa.com!cstatd.cstat.co.za!not-for-mail@network.ucsd.edu
Subject: FTP Sites...Boston, Buffalo? (ZA land..)
To: info-hams@ucsd.edu

Hi All

Please can someone e-mail me [or post on this newsgroup ;-)] the FTP sites that provide decent Amateur sharware, AMSAT, ARRL bulletins etc. Please try and include the directory path(s) with the site, log on time is killing my bank balance:-)

Buffalo and Boston ring a bell this end, but this little ole' African has lost his way on the Internet.....

All replies will be greatly appreciated.

TIA

Cheerio,

Brian ZR5DTS Voice: ++27-31-7011201 (06:00-14:30 UTC)
Internet: briane@goofy.iaccess.za Fax: ++27-31-7090813
AX25 Packet: ZR5DTS@ZS5S.NTL.ZAF ICBM's: 29:51:05 S 30:53:59 E

I am glad I don't know everything, that way life isn't boring - Brian Ellse 94

Date: Thu, 15 Sep 1994 23:17:57 GMT
From: EU.net!sunic!ugle.unit.no!nac.no!ifi.uio.no!wabbit.cc.uow.edu.au!
news.ci.com.au!metro!ipso!rwc@uunet.uu.net
Subject: IPS Daily Report - 15 September 94
To: info-hams@ucsd.edu

SUBJ: IPS DAILY SOLAR AND GEOPHYSICAL REPORT
ISSUED AT 15/2330Z SEPTEMBER 1994 BY IPS RADIO AND SPACE SERVICES
FROM THE REGIONAL WARNING CENTRE (RWC), SYDNEY.
SUMMARY FOR 15 SEPTEMBER AND FORECAST FOR 16 SEPTEMBER - 18 SEPTEMBER

1A. SOLAR SUMMARY

Activity: very low

Flares: none.

Observed 10.7 cm flux/Equivalent Sunspot Number : 72/8

GOES satellite data for 14 Sep

Daily Proton Fluence >1 MeV: 6.5E+06

Daily Proton Fluence >10 MeV: 1.5E+04

Daily Electron Fluence >2 MeV: 9.6E+08

X-ray background: LT

Fluence (flux accumulation over 24hrs)/ cm2-ster-day.

1B. SOLAR FORECAST

	16 Sep	17 Sep	18 Sep
Activity	Very low	Very low	Very low
Fadeouts	None expected	None expected	None expected

Forecast 10.7 cm flux/Equivalent Sunspot Number for 16 Sep: 72/8

2A. MAGNETIC SUMMARY

Geomagnetic field at Learmonth: quiet

Estimated Indices : A	K	Observed A Index 14 Sep
Learmonth	5 2111 2221	
Fredericksburg	5	9
Planetary	6	9

Observed Kp for 14 Sep: 3322 3212

2B. MAGNETIC FORECAST

DATE	Ap	CONDITIONS
16 Sep	6	Quiet

17 Sep 6 Quiet
18 Sep 6 Quiet

3A. GLOBAL HF PROPAGATION SUMMARY

	LATITUDE BAND		
DATE	LOW	MIDDLE	HIGH
15 Sep	normal	normal	normal

PCA Event : None.

3B. GLOBAL HF PROPAGATION FORECAST

	LATITUDE BAND		
DATE	LOW	MIDDLE	HIGH
16 Sep	normal	normal	normal
17 Sep	normal	normal	normal
18 Sep	normal	normal	normal

4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY

Observed

DATE	T-index	MUFs at Sydney
15 Sep	26	near predicted monthly values

Predicted Monthly T-index for September: 20

4B. AUSTRALIAN REGION IONOSPHERIC FORECAST

DATE	T-index	MUFs
16 Sep	25	Near predicted monthly values
17 Sep	25	Near predicted monthly values
18 Sep	25	Near predicted monthly values

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IPS Regional Warning Centre, Sydney	IPS Radio and Space Services
RWC Duty Forecaster tel: +61 2 4148329	PO Box 5606
Recorded Message tel: +61 2 4148330	West Chatswood NSW 2057
email: rwc@ips.oz.au fax: +61 2 4148331	AUSTRALIA

Date: 16 Sep 94 06:11:01 GMT
From: news-mail-gateway@ucsd.edu
Subject: SAREX Keps 9/16 at 6:00 UTC
To: info-hams@ucsd.edu

SB SAREX @ AMSAT \$STS-64.021
SAREX Keps 9/16 at 06:00 UTC

Silver Spring, MD September 16, 1994 at 06:00 UTC

The following represents the latest Keplerian Elements as generated by Gil Carman, WA5NOM, at the Johnson Space Center.

STS-64

```
1 23251U 94059A 94259.03185091 .00002390 10715-4 74540-5 0 231
2 23251 57.0071 195.8801 0009155 273.4485 86.5562 16.11758113 994
```

Satellite: STS-64

Catalog number: 23251

Epoch time: 94259.03185091 = (16 SEP 94 00:45:51.91 UTC)

Element set: 023

Inclination: 57.0071 deg

RA of node: 195.8801 deg

Space Shuttle Flight STS-64

Eccentricity: .0009155

Keplerian element set JSC-023

Arg of perigee: 273.4485 deg

from NASA flight Day 7 vector

Mean anomaly: 86.5562 deg

Mean motion: 16.11758113 rev/day

Gil Carman

Decay rate: 2.390e-05 rev/day^2

NASA Johnson Space Center

Epoch rev: 99

Checksum: 296

Submitted by Frank H. Bauer, KA3HDO, for the SAREX Working Group

/EX

Date: 16 Sep 94 06:01:48 GMT
From: news-mail-gateway@ucsd.edu
Subject: SAREX Rise Set 9/17
To: info-hams@ucsd.edu

SB SAREX @ AMSAT \$STS-64.017
STS-64 Eastern R/S Times 09/17

Below are the rise and set times for STS-64 for selected US cities over the next three days. This data was generated to help hams without orbit programs to participate in the SAREX activities. Please note that all times are in UTC.

Rise= time (HH:MM:SS) the Shuttle Orbiter appears at the horizon

Az= Azimuth (true) where the Orbiter will rise.

Maximum= time, azimuth (Az), and elevation (El) of the highest part of the pass

Set= time and azimuth when the Shuttle descends below the horizon

Orb= the number of this orbit

Rise MET= The Mission Elapsed Time at the rise. Format is DD:HH:MM:SS

Atlanta GA

Satellite STS-64
Element Set 21

Date	Rise	Az	Maximum	Az	El	Set	Az	Orb	Rise MET
17Sep94	04:08:58	336	04:12:51	45	18	04:16:26	112	117	07:05:46:03
17Sep94	05:42:01	296	05:45:18	243	10	05:48:54	182	118	07:07:19:06
17Sep94	20:12:16	227	20:16:27	319	47	20:20:20	34	128	07:21:49:21
18Sep94	04:03:36	330	04:07:29	45	31	04:11:22	125	133	08:05:40:41
18Sep94	05:37:15	283	05:39:56	242	5	05:42:38	199	134	08:07:14:20
18Sep94	18:35:38	167	18:38:37	117	7	18:41:37	71	143	08:20:12:43
18Sep94	20:07:12	240	20:11:05	316	24	20:14:58	27	144	08:21:44:17
19Sep94	03:58:08	323	04:02:19	82	64	04:06:12	138	149	09:05:35:13
19Sep94	18:29:34	183	18:32:51	126	13	18:36:26	62	159	09:20:06:39
19Sep94	20:02:01	252	20:05:37	314	14	20:09:12	19	160	09:21:39:06

Miami FL

Satellite STS-64
Element Set 21

Date	Rise	Az	Maximum	Az	El	Set	Az	Orb	Rise MET
17Sep94	04:11:39	353	04:14:57	49	10	04:18:14	105	117	07:05:48:44
17Sep94	05:44:07	301	05:47:42	238	13	05:50:59	180	118	07:07:21:12
17Sep94	18:39:12	184	18:42:47	117	15	18:46:23	56	127	07:20:16:17
17Sep94	20:12:16	259	20:15:33	315	8	20:18:32	4	128	07:21:49:21
18Sep94	04:05:47	342	04:09:40	52	18	04:13:15	119	133	08:05:42:52
18Sep94	05:39:08	289	05:42:08	243	6	05:45:07	195	134	08:07:16:13
18Sep94	18:33:20	199	18:37:13	124	31	18:41:06	46	143	08:20:10:25
19Sep94	04:00:13	334	04:04:24	61	36	04:08:17	133	149	09:05:37:18
19Sep94	18:27:46	212	18:31:57	72	72	18:35:50	36	159	09:20:04:51

New York NY

Satellite STS-64
Element Set 21

Date	Rise	Az	Maximum	Az	El	Set	Az	Orb	Rise MET
17Sep94	02:36:25	331	02:40:00	33	14	02:43:35	98	116	07:04:13:30
17Sep94	04:09:10	304	04:13:03	225	24	04:16:39	160	117	07:05:46:15
17Sep94	18:43:30	174	18:46:47	120	8	18:49:46	72	127	07:20:20:35
17Sep94	20:15:03	238	20:19:14	324	35	20:23:07	38	128	07:21:52:08
18Sep94	02:30:51	327	02:34:44	36	21	02:38:38	110	132	08:04:07:56
18Sep94	04:03:55	297	04:07:30	234	14	04:11:05	172	133	08:05:41:00
18Sep94	18:37:38	188	18:41:13	124	14	18:44:48	63	143	08:20:14:43

18Sep94	20:10:05	250	20:13:58	327	22	20:17:52	34	144	08:21:47:10
19Sep94	02:25:36	323	02:29:29	42	34	02:33:22	120	148	09:04:02:41
19Sep94	03:58:39	290	04:01:56	238	8	04:05:13	185	149	09:05:35:44
19Sep94	18:31:46	200	18:35:39	129	24	18:39:33	56	159	09:20:08:51
19Sep94	20:04:50	260	20:08:25	321	15	20:12:18	30	160	09:21:41:55

Washington DC

Satellite STS-64
Element Set 21

Date	Rise	Az	Maximum	Az	El	Set	Az	Orb	Rise MET
17Sep94	02:36:37	341	02:39:54	35	8	02:42:53	84	116	07:04:13:42
17Sep94	04:08:46	313	04:12:57	225	53	04:16:50	146	117	07:05:45:51
17Sep94	18:43:05	167	18:46:05	118	6	18:48:46	76	127	07:20:20:10
17Sep94	20:14:21	236	20:18:14	305	37	20:22:25	36	128	07:21:51:26
18Sep94	02:30:57	335	02:34:32	34	12	02:38:07	96	132	08:04:08:02
18Sep94	04:03:42	306	04:07:35	228	27	04:11:28	158	133	08:05:40:47
18Sep94	18:37:08	181	18:40:25	124	12	18:44:00	64	143	08:20:14:13
18Sep94	20:09:17	247	20:13:10	324	22	20:17:03	32	144	08:21:46:22
19Sep94	02:25:35	332	02:29:28	45	18	02:33:03	108	148	09:04:02:40
19Sep94	03:58:20	300	04:01:55	239	15	04:05:31	172	149	09:05:35:25
19Sep94	18:31:10	196	18:35:03	122	20	18:38:38	58	159	09:20:08:15
19Sep94	20:04:13	259	20:07:48	324	14	20:11:23	26	160	09:21:41:18

Compiled by Will Marchant, KC6ROL

Submitted by Frank H. Bauer, KA3HDO for the SAREX Working Group

Send comments to kc6rol@amsat.org

/EX

SB SAREX @ AMSAT \$STS-64.018

STS-64 Central R/S Times 09/17

Below are the rise and set times for STS-64 for selected US cities over the next three days. This data was generated to help hams without orbit programs to participate in the SAREX activities. Please note that all times are in UTC.

Rise= time (HH:MM:SS) the Shuttle Orbiter appears at the horizon

Az= Azimuth (true) where the Orbiter will rise.

Maximum= time, azimuth (Az), and elevation (El) of the highest part of the pass

Set= time and azimuth when the Shuttle descends below the horizon

Orb= the number of this orbit

Rise MET= The Mission Elapsed Time at the rise. Format is DD:HH:MM:SS

Chicago IL

Satellite STS-64
Element Set 21

Date	Rise	Az	Maximum	Az	El	Set	Az	Orb	Rise	MET
17Sep94	02:34:37	338	02:37:37	25	6	02:40:36	71	116	07:04:11:42	
17Sep94	04:06:47	319	04:10:58	48	47	04:14:51	125	117	07:05:43:52	
17Sep94	05:40:26	284	05:43:25	236	7	05:46:25	190	118	07:07:17:31	
17Sep94	20:13:51	199	20:17:27	133	22	20:21:20	58	128	07:21:50:56	
17Sep94	21:46:37	258	21:50:30	330	16	21:54:05	32	129	07:23:23:42	
18Sep94	02:29:04	334	02:32:21	27	8	02:35:38	80	132	08:04:06:09	
18Sep94	04:01:31	314	04:05:42	144	76	04:09:35	136	133	08:05:38:36	
18Sep94	20:08:18	211	20:12:11	126	40	20:16:04	52	144	08:21:45:23	
18Sep94	21:41:39	269	21:45:14	332	12	21:48:31	28	145	08:23:18:44	
19Sep94	02:23:30	331	02:27:05	30	11	02:30:40	90	148	09:04:00:35	
19Sep94	03:56:15	309	04:00:09	229	44	04:04:02	147	149	09:05:33:20	
19Sep94	20:02:44	222	20:06:37	166	79	20:10:48	46	160	09:21:39:49	
19Sep94	21:36:41	280	21:39:58	335	9	21:43:16	27	161	09:23:13:46	

Denver CO

Satellite STS-64
Element Set 21

Date	Rise	Az	Maximum	Az	El	Set	Az	Orb	Rise	MET
17Sep94	04:05:29	343	04:08:28	30	6	04:11:28	76	117	07:05:42:34	
17Sep94	05:37:38	318	05:41:49	83	68	05:45:43	134	118	07:07:14:43	
17Sep94	21:43:19	220	21:47:31	108	75	21:51:24	45	129	07:23:20:24	
17Sep94	23:17:34	280	23:20:34	328	7	23:23:51	20	130	08:00:54:39	
18Sep94	03:59:49	338	04:03:06	29	9	04:06:24	84	133	08:05:36:54	
18Sep94	05:32:16	312	05:36:10	248	52	05:40:21	146	134	08:07:09:21	
18Sep94	21:38:09	231	21:42:02	312	52	21:46:13	40	145	08:23:15:14	
19Sep94	03:54:27	335	03:58:02	37	12	04:01:38	97	149	09:05:31:32	
19Sep94	05:26:55	306	05:30:48	236	27	05:34:41	158	150	09:07:04:00	
19Sep94	20:00:56	177	20:04:13	121	9	20:07:30	68	160	09:21:38:01	
19Sep94	21:32:47	242	21:36:40	317	28	21:40:34	34	161	09:23:09:52	

Houston TX

Satellite STS-64
Element Set 21

Date	Rise	Az	Maximum	Az	El	Set	Az	Orb	Rise	MET
17Sep94	05:40:49	326	05:45:00	61	63	05:48:54	139	118	07:07:17:54	
17Sep94	20:10:10	203	20:14:03	127	36	20:17:56	46	128	07:21:47:15	
18Sep94	05:35:39	318	05:39:32	240	51	05:43:25	152	134	08:07:12:44	
18Sep94	20:04:36	216	20:08:47	33	80	20:12:40	37	144	08:21:41:41	
19Sep94	03:58:13	355	04:01:13	43	7	04:04:12	92	149	09:05:35:18	
19Sep94	05:30:23	309	05:34:16	231	23	05:37:51	166	150	09:07:07:28	

19Sep94 19:59:25 229 20:03:19 311 37 20:07:12 28 160 09:21:36:30

Huntsville AL

Satellite STS-64
Element Set 21

Date	Rise	Az	Maximum	Az	El	Set	Az	Orb	Rise	MET
17Sep94	04:08:40	338	04:12:15	41	16	04:16:08	110	117	07:05:45:45	
17Sep94	05:41:25	298	05:45:00	238	13	05:48:36	176	118	07:07:18:30	
17Sep94	20:12:16	219	20:16:09	226	80	20:20:20	40	128	07:21:49:21	
18Sep94	04:03:00	331	04:06:53	39	26	04:10:46	121	133	08:05:40:05	
18Sep94	05:36:39	286	05:39:39	238	7	05:42:38	191	134	08:07:13:44	
18Sep94	20:06:54	231	20:10:47	304	39	20:14:58	33	144	08:21:43:59	
19Sep94	03:57:38	325	04:01:31	31	51	04:05:42	134	149	09:05:34:43	
19Sep94	18:29:40	174	18:32:57	121	9	18:36:15	68	159	09:20:06:45	
19Sep94	20:01:50	244	20:05:25	310	22	20:09:18	26	160	09:21:38:55	

Compiled by Will Marchant, KC6ROL

Submitted by Frank H. Bauer, KA3HDO for the SAREX Working Group

Send comments to kc6rol@amsat.org

/EX

SB SAREX @ AMSAT \$STS-64.019

STS-64 Western R/S Times 09/17

Below are the rise and set times for STS-64 for selected US cities over the next three days. This data was generated to help hams without orbit programs to participate in the SAREX activities. Please note that all times are in UTC.

Rise= time (HH:MM:SS) the Shuttle Orbiter appears at the horizon

Az= Azimuth (true) where the Orbiter will rise.

Maximum= time, azimuth (Az), and elevation (El) of the highest part of the pass

Set= time and azimuth when the Shuttle descends below the horizon

Orb= the number of this orbit

Rise MET= The Mission Elapsed Time at the rise. Format is DD:HH:MM:SS

Albuquerque NM

Satellite STS-64
Element Set 21

Date	Rise	Az	Maximum	Az	El	Set	Az	Orb	Rise	MET
17Sep94	05:38:26	333	05:42:19	46	23	05:46:12	118	118	07:07:15:31	
17Sep94	07:11:47	290	07:14:46	241	8	07:18:04	187	119	07:08:48:52	
17Sep94	21:42:19	226	21:46:13	296	55	21:50:24	36	129	07:23:19:24	
18Sep94	05:33:04	326	05:36:57	46	43	05:40:50	130	134	08:07:10:09	

18Sep94	20:05:42	165	20:08:23	122	6	20:11:23	74	144	08:21:42:47
18Sep94	21:36:58	237	21:40:51	307	28	21:45:02	30	145	08:23:14:03
19Sep94	05:27:24	320	05:31:35	240	85	05:35:28	142	150	09:07:04:29
19Sep94	19:59:26	183	20:03:01	121	12	20:06:19	64	160	09:21:36:31
19Sep94	21:31:54	250	21:35:29	312	16	21:39:22	23	161	09:23:08:59

Honolulu HI

Satellite STS-64
Element Set 21

Date	Rise	Az	Maximum	Az	El	Set	Az	Orb	Rise	MET
17Sep94	00:43:20	224	00:47:13	297	37	00:51:24	25	115	07:02:20:25	
17Sep94	10:12:30	332	10:16:23	56	51	10:20:16	140	121	07:11:49:35	
18Sep94	00:38:16	238	00:41:51	302	18	00:45:44	14	131	08:02:15:21	
18Sep94	10:06:56	322	10:11:07	220	56	10:15:00	153	137	08:11:44:01	
18Sep94	23:00:32	177	23:04:07	116	11	23:07:24	62	145	09:00:37:37	
19Sep94	00:33:17	253	00:36:34	307	9	00:39:52	3	147	09:02:10:22	
19Sep94	10:01:39	312	10:05:33	240	23	10:09:26	167	153	09:11:38:44	
19Sep94	22:54:40	192	22:58:33	119	22	23:02:23	49	161	10:00:31:45	

Los Angeles CA

Satellite STS-64
Element Set 21

Date	Rise	Az	Maximum	Az	El	Set	Az	Orb	Rise	MET
17Sep94	05:37:44	354	05:40:43	40	5	05:43:25	80	118	07:07:14:49	
17Sep94	07:09:35	317	07:13:46	220	58	07:17:40	148	119	07:08:46:40	
17Sep94	21:40:55	193	21:44:31	128	20	21:48:24	54	129	07:23:18:00	
17Sep94	23:13:59	260	23:17:34	321	10	23:20:51	16	130	08:00:51:04	
18Sep94	05:32:10	348	05:35:27	42	8	05:38:44	94	134	08:07:09:15	
18Sep94	07:04:19	310	07:08:12	240	27	07:12:05	161	135	08:08:41:24	
18Sep94	21:35:21	206	21:39:14	122	40	21:43:07	46	145	08:23:12:26	
18Sep94	23:09:18	275	23:12:17	323	6	23:15:17	9	146	09:00:46:23	
19Sep94	05:26:35	341	05:30:10	46	14	05:33:46	106	150	09:07:03:40	
19Sep94	06:59:03	302	07:02:56	234	15	07:06:31	173	151	09:08:36:08	
19Sep94	21:29:53	219	21:33:46	337	86	21:37:57	39	161	09:23:06:58	

Seattle WA

Satellite STS-64
Element Set 21

Date	Rise	Az	Maximum	Az	El	Set	Az	Orb	Rise	MET
17Sep94	00:53:30	256	00:57:23	332	27	01:01:16	46	115	07:02:30:35	
17Sep94	02:27:27	296	02:30:44	349	10	02:34:19	48	116	07:04:04:32	
17Sep94	04:01:06	314	04:04:41	16	11	04:07:59	70	117	07:05:38:11	

17Sep94	05:33:51	311	05:38:03	42	38	05:41:56	113	118	07:07:10:56
17Sep94	07:06:55	292	07:10:30	231	14	07:14:05	168	119	07:08:44:00
17Sep94	23:15:11	215	23:19:04	145	35	23:23:15	58	130	08:00:52:16
18Sep94	00:48:14	264	00:52:07	336	20	00:56:00	46	131	08:02:25:19
18Sep94	02:22:11	300	02:25:46	358	9	02:29:04	50	132	08:03:59:16
18Sep94	03:55:50	316	03:59:26	18	13	04:03:01	78	133	08:05:32:55
18Sep94	05:28:36	309	05:32:29	16	61	05:36:40	122	134	08:07:05:41
18Sep94	07:01:39	287	07:04:56	235	9	07:08:14	180	135	08:08:38:44
18Sep94	23:09:37	225	23:13:48	135	62	23:17:59	55	146	09:00:46:42
19Sep94	00:42:59	272	00:46:52	339	16	00:50:45	46	147	09:02:20:04
19Sep94	02:17:13	306	02:20:31	0	9	02:23:48	53	148	09:03:54:18
19Sep94	03:50:17	314	03:54:10	22	15	03:57:45	84	149	09:05:27:22
19Sep94	05:23:02	306	05:27:13	217	78	05:31:24	132	150	09:07:00:07
19Sep94	06:56:41	279	06:59:23	238	5	07:02:04	196	151	09:08:33:46
19Sep94	21:33:06	173	21:36:05	124	7	21:39:05	77	161	09:23:10:11
19Sep94	23:04:22	234	23:08:15	282	72	23:12:31	52	162	10:00:41:27

Compiled by Will Marchant, KC6ROL

Submitted by Frank H. Bauer, KA3HDO for the SAREX Working Group

Send comments to kc6rol@amsat.org

/EX

SB SAREX @ AMSAT \$STS-64.020

STS-64 World R/S Times 09/17

Below are the rise and set times for STS-64 for selected cities over the next three days. This data was generated to help hams without orbit programs to participate in the SAREX activities. Please note that all times are in UTC.

Rise= time (HH:MM:SS) the Shuttle Orbiter appears at the horizon

Az= Azimuth (true) where the Orbiter will rise.

Maximum= time, azimuth (Az), and elevation (El) of the highest part of the pass

Set= time and azimuth when the Shuttle descends below the horizon

Orb= the number of this orbit

Rise MET= The Mission Elapsed Time at the rise. Format is DD:HH:MM:SS

London UK

Satellite STS-64

Element Set 21

Date	Rise	Az	Maximum	Az	El	Set	Az	Orb	Rise MET
17Sep94	15:48:44	223	15:52:55	134	40	15:56:49	63	125	07:17:25:49
17Sep94	17:21:48	266	17:25:41	342	30	17:29:34	59	126	07:18:58:53
17Sep94	18:55:09	293	18:59:02	5	20	19:02:55	74	127	07:20:32:14
17Sep94	20:28:12	301	20:32:05	12	44	20:36:16	106	128	07:22:05:17
17Sep94	22:00:57	293	22:04:51	225	21	22:08:44	152	129	07:23:38:02

18Sep94	14:12:07	176	14:15:06	129	7	14:18:06	81	140	08:15:49:12
18Sep94	15:43:23	232	15:47:34	120	61	15:51:27	62	141	08:17:20:28
18Sep94	17:16:26	272	17:20:19	342	25	17:24:30	62	142	08:18:53:31
18Sep94	18:49:47	295	18:53:40	5	21	18:57:33	78	143	08:20:26:52
18Sep94	20:22:50	301	20:27:01	53	60	20:30:54	114	144	08:21:59:55
18Sep94	21:55:53	288	21:59:29	224	14	22:03:04	163	145	08:23:32:58
19Sep94	14:06:09	189	14:09:26	135	11	14:13:02	75	156	09:15:43:14
19Sep94	15:38:01	240	15:41:54	267	77	15:46:05	60	157	09:17:15:06
19Sep94	17:11:04	277	17:14:57	344	22	17:19:08	63	158	09:18:48:09
19Sep94	18:44:25	297	18:48:18	5	23	18:52:29	84	159	09:20:21:30
19Sep94	20:17:28	300	20:21:21	292	78	20:25:32	122	160	09:21:54:33
19Sep94	21:50:32	284	21:53:49	231	10	21:57:06	175	161	09:23:27:37

Paris France

Satellite STS-64
Element Set 21

Date	Rise	Az	Maximum	Az	El	Set	Az	Orb	Rise	MET
17Sep94	14:17:11	179	14:20:28	124	8	14:23:27	77	124	07:15:54:16	
17Sep94	15:48:44	236	15:52:38	282	77	15:56:49	54	125	07:17:25:49	
17Sep94	17:22:06	278	17:25:59	348	16	17:29:34	50	126	07:18:59:11	
17Sep94	18:55:45	304	18:59:20	2	12	19:02:55	65	127	07:20:32:50	
17Sep94	20:28:48	309	20:32:59	33	28	20:36:52	102	128	07:22:05:53	
17Sep94	22:01:51	297	22:05:44	220	25	22:09:38	151	129	07:23:38:56	
18Sep94	14:11:13	192	14:14:48	131	13	14:18:23	70	140	08:15:48:18	
18Sep94	15:43:23	245	15:47:16	316	49	15:51:27	52	141	08:17:20:28	
18Sep94	17:17:02	285	17:20:37	348	14	17:24:12	51	142	08:18:54:07	
18Sep94	18:50:41	308	18:54:16	11	13	18:57:51	71	143	08:20:27:46	
18Sep94	20:23:26	308	20:27:37	35	39	20:31:30	110	144	08:22:00:31	
18Sep94	21:56:29	293	22:00:05	231	17	22:03:58	161	145	08:23:33:34	
19Sep94	14:05:33	202	14:09:26	130	19	14:13:02	66	156	09:15:42:38	
19Sep94	15:38:01	253	15:41:54	324	34	15:46:05	51	157	09:17:15:06	
19Sep94	17:11:40	290	17:15:15	348	13	17:19:08	55	158	09:18:48:45	
19Sep94	18:45:19	309	18:48:54	11	15	18:52:47	78	159	09:20:22:24	
19Sep94	20:18:04	307	20:22:15	44	58	20:26:08	118	160	09:21:55:09	
19Sep94	21:51:07	289	21:54:43	230	11	21:58:00	174	161	09:23:28:12	

Sydney Australia

Satellite STS-64
Element Set 21

Date	Rise	Az	Maximum	Az	El	Set	Az	Orb	Rise	MET
17Sep94	00:24:48	201	00:28:24	140	15	00:32:17	70	114	07:02:01:53	
17Sep94	01:57:34	241	02:01:09	300	12	02:04:44	2	115	07:03:34:39	
17Sep94	16:28:06	317	16:32:17	204	61	16:36:10	144	125	07:18:05:11	
18Sep94	00:19:26	207	00:23:20	129	26	00:27:13	58	130	08:01:56:31	

18Sep94	01:52:48	253	01:55:47	301	6	01:58:46	347	131	08:03:29:53
18Sep94	14:51:28	16	14:54:28	63	6	14:57:09	104	140	08:16:28:33
18Sep94	16:22:44	305	16:26:55	220	30	16:30:48	150	141	08:17:59:49
19Sep94	00:13:47	215	00:17:58	121	52	00:21:51	46	146	09:01:50:52
19Sep94	14:45:31	2	14:48:48	58	11	14:52:05	115	156	09:16:22:36
19Sep94	16:17:40	293	16:21:33	221	17	16:25:08	158	157	09:17:54:45

Tokyo Japan

Satellite STS-64
Element Set 21

Date	Rise	Az	Maximum	Az	El	Set	Az	Orb	Rise	MET
17Sep94	05:15:55	213	05:20:06	110	58	05:23:59	44	118	07:06:53:00	
17Sep94	06:50:10	279	06:53:09	326	6	06:56:08	11	119	07:08:27:15	
17Sep94	13:06:21	330	13:10:15	39	26	13:14:08	120	123	07:14:43:26	
17Sep94	14:39:43	290	14:43:00	237	8	14:45:59	189	124	07:16:16:48	
18Sep94	05:10:33	225	05:14:44	333	59	05:18:37	37	134	08:06:47:38	
18Sep94	13:01:00	324	13:05:11	65	49	13:09:04	132	139	08:14:38:05	
19Sep94	03:33:55	166	03:36:55	117	6	03:39:36	75	149	09:05:11:00	
19Sep94	05:05:11	236	05:09:22	321	30	05:13:15	31	150	09:06:42:16	
19Sep94	11:23:46	353	11:26:28	35	5	11:29:09	77	154	09:13:00:51	
19Sep94	12:55:38	318	12:59:31	265	70	13:03:42	144	155	09:14:32:43	

Compiled by Will Marchant, KC6ROL

Submitted by Frank H. Bauer, KA3HDO for the SAREX Working Group

Send comments to kc6rol@amsat.org

/EX

Date: Thu, 15 Sep 1994 11:37:47 GMT
From: iglou!iglou!joed@uunet.uu.net
Subject: satellite rig
To: info-hams@ucsd.edu

--

<----->

KC4UYG	Chris Dawson
Joe Dawson	geneaology
>>>>=====	Email joed@iglou.com <=====<<<<

Date: 15 Sep 1994 12:47:49 GMT
From: thecourier.cims.nyu.edu!longlast.cs.nyu.edu!jackson@nyu.arpa
To: info-hams@ucsd.edu

References <354cns\$kkj@transfer.stratus.com>, <Cw395H.I3u@vcd.hp.com>,
<flaherty.779584197@bora-bora.pa.dec.com>ou
Subject : Re: Learning CW

In article <flaherty.779584197@bora-bora.pa.dec.com>, flaherty@pa.dec.com (Paul Flaherty) writes:

|> Actually, I suspect that the individual technique used (tapes vs computer)
|> isn't nearly as critical as the mnemonic technique used, eg., associating the
|> sound of the letter with a picture of the letter, instead of counting dots
|> and dashes.

|>

|>

|> --

|> -=Paul Flaherty, N9FZX | "We are meant to be masters of destiny,
|> ->paulf@nsl.dec.com | not victims of fate." -- Ronald W. Reagan

That's why I turn off the printing with SuperMorse. My only fear is that I'm going to associate dits and dahs with keystrokes, an issue that was hashed out in here a few months ago.. it even escalated to the question of taking typewriters to the testing session. Where did we leave off with that one anyway? Do whatever it takes to copy the code?

--

Steven Jackson, Assistant to the Chair of Computer Science
Courant Institute of Mathematical Sciences, New York University
251 Mercer Street, NY NY 10012

Work <-- (forwarded) Home
jackson@cs.nyu.edu, jcksnste@acfccluster.nyu.edu, sjackson@cjbbs.com

Date: 15 Sep 1994 20:42:03 GMT
From: cs.utexas.edu!swrinde!elroy.jpl.nasa.gov!news.aero.org!Aero.org!
obrien@uunet.uu.net
To: info-hams@ucsd.edu

References <gbrush.13.000969B2@indy.net>, <Cw4sr4.L4B@utnetw.utoledo.edu>,
<1994Sep15.124310.29213@arrl.org>ov
Subject : Re: 1.2GHz on an HT -- how far?

In article <1994Sep15.124310.29213@arrl.org>, zlau@arrl.org (Zack Lau (KH6CP)) writes:

|>

|> My DX record in working someone with a 1296 FM handheld is from FN33JC
|> to someplace in FN24. I'm not sure where he was, but the closest spot
|> is about 75 miles away.

|>

Yep, the low noise floor on this band is a big plus. I don't play the Grid Square Game, but my personal best with a Kenwood TH-55AT 1.2GHz handheld was on Field Day a couple of years ago, when I was standing in Palisades Park in Santa Monica, and talked with a guy on Santiago Peak, down in Orange County, on his mobile. He was fixing one of 18 intertied repeaters, all on 1.2GHz, that we have here in SoCal. I had one of those handy-dandy Comet 4-element Yagis on my handheld. It's a special deal for 1.2 that attaches right to the BNC connector on your handy, and gives you like 12dB of gain. You'd better use a speaker-mike with one of these, though.

I was totally impressed.

--

Mike O'Brien
obrien@aero.org

End of Info-Hams Digest V94 #1028
